



032301W1181.seq.ST25.txt  
SEQUENCE LISTING

<110> Nampoothiri, Madhavan K.

<120> Nucleotide Sequences Which Code For The fadD15 Gene

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<140> 09/855,750

<141> 2001-05-16

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<170> PatentIn version 3.1

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taagaagtta ttgacacact gaatacatag agaaaaattc catgtggta aagatatgcc 180

taaagatctg accaaaaacg tgactaaaga cgtgacgaca caagtacagc caaattaaag 240

gaaagg ttg aat ttg acc atg act tca cct aat acc ctg cag gaa tac 288

Leu Asn Leu Thr Met Thr Ser Pro Asn Thr Leu Gln Glu Tyr

1 5 10

act gaa cct gcc aag tac acc atc gga gaa tct gaa acc tgc ctg acc 336

Thr Glu Pro Ala Lys Tyr Thr Ile Gly Glu Ser Glu Thr Cys Leu Thr

A<sup>2</sup>  
Part of  
Paper No. 4

## 032301W1181.seq.ST25.txt

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aag cct gcc aac tat gag tgg gtg aat gta act gcc aaa gaa ttt cag				432
Lys Pro Ala Asn Tyr Glu Trp Val Asn Val Thr Ala Lys Glu Phe Gln				
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gac gag gtt ttt gag gtt gca aaa gga att att tca gtc ggc gta gag				480
Asp Glu Val Phe Ala Val Ala Lys Gly Ile Ile Ser Val Gly Val Glu				
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cag gga gac cgt gtc gcg ctg ctg tcc aat act cgc tat gag tgg gct				528
Gln Gly Asp Arg Val Ala Leu Leu Ser Asn Thr Arg Tyr Glu Trp Ala				
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gtg ctt gat ttc gct atc tgg gcc gct ggc gca gtg agc gtg cct atc				576
Val Leu Asp Phe Ala Ile Trp Ala Ala Gly Ala Val Ser Val Pro Ile				
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tac agc tcc tct tca ctg tcc caa att gag tgg atc att gag gat tcc				624
Tyr Ser Ser Ser Leu Ser Cln Ile Glu Trp Ile Ile Glu Asp Ser				
115	120	125		
ggc gct gtt ttg gcc att acc gaa acc cct gat cat acc gac ttg atg				672
Gly Ala Val Leu Ala Ile Thr Glu Thr Pro Asp His Thr Asp Leu Met				
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Lys Asn Leu Val Ile Gly Glu Asp Gly Thr Pro Ala Ile Lys Gly Ser				
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cct tcc aag ctg cgc cgc att cta gag atc aac tct tcg gcg ttg gag				768
Pro Ser Lys Leu Arg Arg Ile Leu Glu Ile Asn Ser Ser Ala Leu Glu				
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acc ttg aag ttt gag ggc cgc gag ctt tct gat gag ctg gtg tgg gaa				816
Thr Leu Lys Phe Glu Gly Arg Glu Leu Ser Asp Glu Leu Val Trp Glu				
175	180	185	190	
cgc att cat gca acc aag gcc gct gac ctg gcg tct ttg gtg tac acc				864
Arg Ile His Ala Thr Lys Ala Ala Asp Leu Ala Ser Leu Val Tyr Thr				
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Ser Gly Thr Thr Gly Arg Pro Lys Gly Cys Glu Leu Ser His Tyr His				
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Trp Leu Ala Glu Val Arg Ala Leu Ile Thr Asn Asp Ile Gly Ala Ile				
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Ala Met Pro Gly Ser Arg Leu Leu Thr Phe Leu Pro Leu Ala His Val				
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cgc ccg aac ctg att ttg ggt gtt cca cgc gtg ttt gaa aag gtc cgc 1152  
 Arg Pro Asn Leu Ile Leu Gly Val Pro Arg Val Phe Glu Lys Val Arg  
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atg ttt gag cgt gcc gaa aag gcg gcc att gaa tac tcc atg gct ctt 1248  
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 Thr Glu Ser Ala Ala Ala Val Asp Phe Thr Asp Gln Lys Ile  
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ggc act gtg ggt aag ccg atg ggt ggc atg acc atc aag atc aat gaa 1536  
 Gly Thr Val Gly Lys Pro Met Gly Gly Met Thr Ile Lys Ile Asn Glu  
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gat ggc gaa atc atg cta aaa ggc gag atg ttg ttc cag gga tat tgg 1584  
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gga cgt aag aaa gat ctg atc gtg acc gcg ggc ggc aag aac gtt tcc 1728  
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gaa tcc cgc acg gtt tct gag att gct act gat cct gca ctg cgt gcg 1920  
 Glu Ser Arg Thr Val Ser Glu Ile Ala Thr Asp Pro Ala Leu Arg Ala  
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gaa atc cag gat gca gtc aac aac gct aat gcc acg gtg tct cat tca 1968  
 Glu Ile Gln Asp Ala Val Asn Asn Ala Asn Ala Thr Val Ser His Ser  
 560 565 570

gag gcg atc aag cgg ttc tac atc ctt gat cgc gac ctg acc gag gaa 2016  
 Glu Ala Ile Lys Arg Phe Tyr Ile Leu Asp Arg Asp Leu Thr Glu Glu  
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gcc gac gag ctg acc cca acg ctg aag gtc aag cgc aac gtt gtt gtt 2064  
 Ala Asp Glu Leu Thr Pro Thr Leu Lys Val Lys Arg Asn Val Val Val  
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Asp Phe Ala Ile Trp Ala Ala Gly Ala Val Ser Val Pro Ile Tyr Ser  
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Ser Ser Ser Leu Ser Gln Ile Glu Trp Ile Ile Glu Asp Ser Gly Ala  
115 120 125

Val Leu Ala Ile Thr Glu Thr Pro Asp His Thr Asp Leu Met Lys Asn  
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145 150 155 160

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Lys Phe Glu Gly Arg Glu Leu Ser Asp Glu Leu Val Trp Glu Arg Ile  
180 185 190

His Ala Thr Lys Ala Ala Asp Leu Ala Ser Leu Val Tyr Thr Ser Gly  
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Thr Thr Gly Arg Pro Lys Gly Cys Glu Leu Ser His Tyr His Trp Leu  
210 215 220

Ala Glu Val Arg Ala Leu Ile Thr Asn Asp Ile Gly Ala Ile Ala Met  
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Pro Gly Ser Arg Leu Leu Thr Phe Leu Pro Leu Ala His Val Leu Ala  
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032301W1181.seq.ST25.txt

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Tyr Ala Ile Thr Gly Gly Ser Ala Met Gly Gln Glu Leu Leu His Phe  
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Phe Arg Gly Val Gly Met Thr Ile Tyr Glu Gly Tyr Gly Leu Thr Glu  
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